

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/20/03

Date Received: 10/14/03

Project: 628 Compressor H2O, PO# M102924, F&BI 310124

Date Extracted: 10/16/03

Date Analyzed: 10/16/03

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

Sample ID  
Laboratory ID

Zinc

M102924  
310124-01

<0.05

Method Blank

<0.05

**FRIEDMAN & BRUYA, INC.**

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**QUALITY ASSURANCE RESULTS  
FROM TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Laboratory Code: 310124-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 310124-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Zinc	mg/L (ppm)	2	<0.05	97	80-120

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Zinc	mg/L (ppm)	2	103	101	80-120	2

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

310124

## SAMPLE CHAIN OF CUSTODY

CM 10/14/03

AT

Send Report To GERARD Thompson  
 Company ALASKAN COPPER WORKS  
 Address 628 S. Harvard St  
 City, State, ZIP Seattle WA 98134  
 Phone # 206-382-8339 Fax # 206-382-4709

SAMPLERS <i>(Signature)</i>	
PROJECT NAME/NO. <u>628 Compression H<sub>2</sub>O</u>	PO # <u>M 102924</u>
REMARKS	

Page # _____ of _____
TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input checked="" type="checkbox"/> RUSH <u>5 days Please</u> Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Zinc				
M 102924	01	10/14/03	10:00	H <sub>2</sub> O								✓				

Friedman & Bruya, Inc.  
 3012 16th Avenue West  
 Seattle, WA 98119-2029  
 Ph. (206) 285-8282  
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>(Signature)</i>	G. Thompson	ACW	10/14/03	11:00 AM
Received by: <i>(Signature)</i>	Michael Erdahl	F&B	L	L
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

October 20, 2003

DUPLICATE COPY

INVOICE # 03ACU1020-1

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project 628 Compressor H2O, PO# M102924, F&BI 310124 - Results of  
testing requested by Gerry Thompson for material submitted on October 14,  
2003.

1 sample analyzed for Total Zinc  
by Method 6010B @ \$30 per sample

\$ 30.00

Amount Due .....

\$ 30.00

FEDERAL TAX ID # (b) (6)

FRIEDMAN & BRUYA, INC.

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October 20, 2003

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

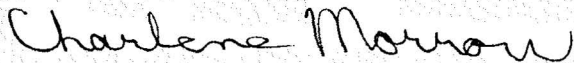
Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 14, 2003 from the 628 Compressor H2O, PO# M102924, F&BI 310124 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU1020R.DOC